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TECHNICAL MEMORANDUM

(TM Series)

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Systems Division Program, for Space Systems Division, AFSC.

Utility Program Descriptions	SYSTEM
Milestone 11	DEVELOPMENT
Update Bird Buffer - 1604 Transfer Tape	CORPORATION
(SDELET)	2500 COLORADO AVE.
By	SANTA MONICA
R. C. Wise	CALIFORNIA
26 March 1963	
Approved	
J. B. Munson	

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TM-(L)-715/050/00

IDENTIFICATION

- A. Title: Update Bird Buffer - 160⁴ Transfer Tape (SDELET),
Ident K98, Mod AA
- B. Programmed: 1 March 1963,
R. C. Wise, System Development Corporation
- C. Documented: 22 March 1963,
R. C. Wise, System Development Corporation

PURPOSE

SDELET updates the Bird Buffer to 160⁴ Transfer tape by the deletion of obsolete files of information.

USAGE

A. Operating Procedure

1. Mount the transfer tape to be updated on unit 19.
2. Mount blank tape on unit 18.
3. Call SDELET via function card.
4. When requested, switch selections of units 18 and 19. The updated tape is now on unit 19.

B. Function Card

*SDELET (VVVV) (RRR) or 0

1. (VVVV) is the BCD representation of the 4-digit vehicle number "VVVV". The parentheses signal MTCII that the parameter is not to be converted.
2. (RRR) is the BCD representation of the 3-digit integral part of the revolution number "RRR.R". All three digits must be present (leading zeros, if necessary). Any file with revolution of "VVVV"

less than "RRR" will be deleted from the tape. If the rev. parameter is 0, all files of "VVVV" will be deleted.

C. On-line Messages

1. SWITCH SELECTIONS OF TAPES 18 AND 19, PLEASE

This occurs when SDELET has produced the updated transfer tape on unit 18. The tape is positioned ready for use, and should replace the old transfer tape.

2. ERROR READING TAPE 19, IF YOU WISH TO CONTINUE SDELET, SET JUMP 2 BEFORE STARTING AND I WILL TRY SOMEMORE

A persistent error has occurred while reading the existing transfer tape. If Jump Key 2 is set, SDELET will try 4 more times to read the record. If Jump Key 2 is not set, SDELET will return to MTCII.

3. REMOVE TAPE 18, REPLACE WITH A NICE LONG, CLEAN, PARITY-ERROR-FREE TAPE AND HIT START

A persistent error has occurred while writing the new transfer tape. When restarted, SDELET will reinitiate the updating of the transfer tape.

D. Stops

All program stops are accompanied by an on-line message.

E. Tape Assignments

1. Existing transfer tape - channel 4/5, cabinet 2, unit 4 (tape 19).

2. Updated transfer tape - channel 5/6, cabinet 2, unit 3 (tape 18).

F. Results

The updated transfer tape is tape 18. The operator is requested to switch the selections between tapes 18 and 19.

OPERATING DESCRIPTION

SDELET copies the existing transfer tape onto another tape ignoring any file of data whose header record contains a vehicle number equal to the input "VVVV" and a revolution number less than the input "RRR". If the rev. parameter is binary zero, all data pertaining to "VVVV" will be deleted.

Upon reaching the end of data on the existing transfer tape, SDELET requests the operator to exchange the tape unit selections of the new and old ("existing" above) transfer tapes.

RESTRICTIONS

- A. Four decimal digits must be specified for vehicle and three for revolution. The exception is a zero revolution parameter.

TIMING

It takes approximately 20 seconds per file (number of records per file less than 20) to update a transfer tape.

STORAGE

A. Instructions	150 ₈
B. Buffer and Constants	21 ₈
Total:	<hr/> 171 ₈

VALIDATION TEST

A. Method

A simulated transfer tape was operated upon by SDELET under the control of various function cards. The resultant transfer tapes were listed and their contents compared with the expected results.

B. Input Transfer Tape

The input transfer tape had two tracking messages per file. The file structure was as follows.

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<u>FILE</u>	<u>VEHICLE</u>	<u>REVOLUTION</u>
1	2405	8
2	2104	1
3	2104	3
4	2104	5
5	2204	2
6	2204	6
7	2304	8
8	2204	4

C. Tests

1. Test 1

a. Function card

*SDELET (2104) (005)

b. Results

Files 2 and 3 were deleted.

2. Test 2

a. Function card

*SDELET (2104) 0

b. Results

Files 2, 3, and 4 were deleted.

3. Test 3

a. Function card

*SDELET (2404) (006)

b. Results

No files were deleted.

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4. Test 4

a. Function card

*SDELET (2304) 0

b. Results

File 7 was deleted.

5. Test 5

a. Function card

*SDELET (2204) (006)

b. Results

Files 5 and 8 were deleted.

6. Test 6

a. Function card

*SDELET (2104) (003)

b. Results

File 2 was deleted.

7. Test 7

a. Function card

*SDELET (2405) (009)

b. Results

File 1 was deleted.

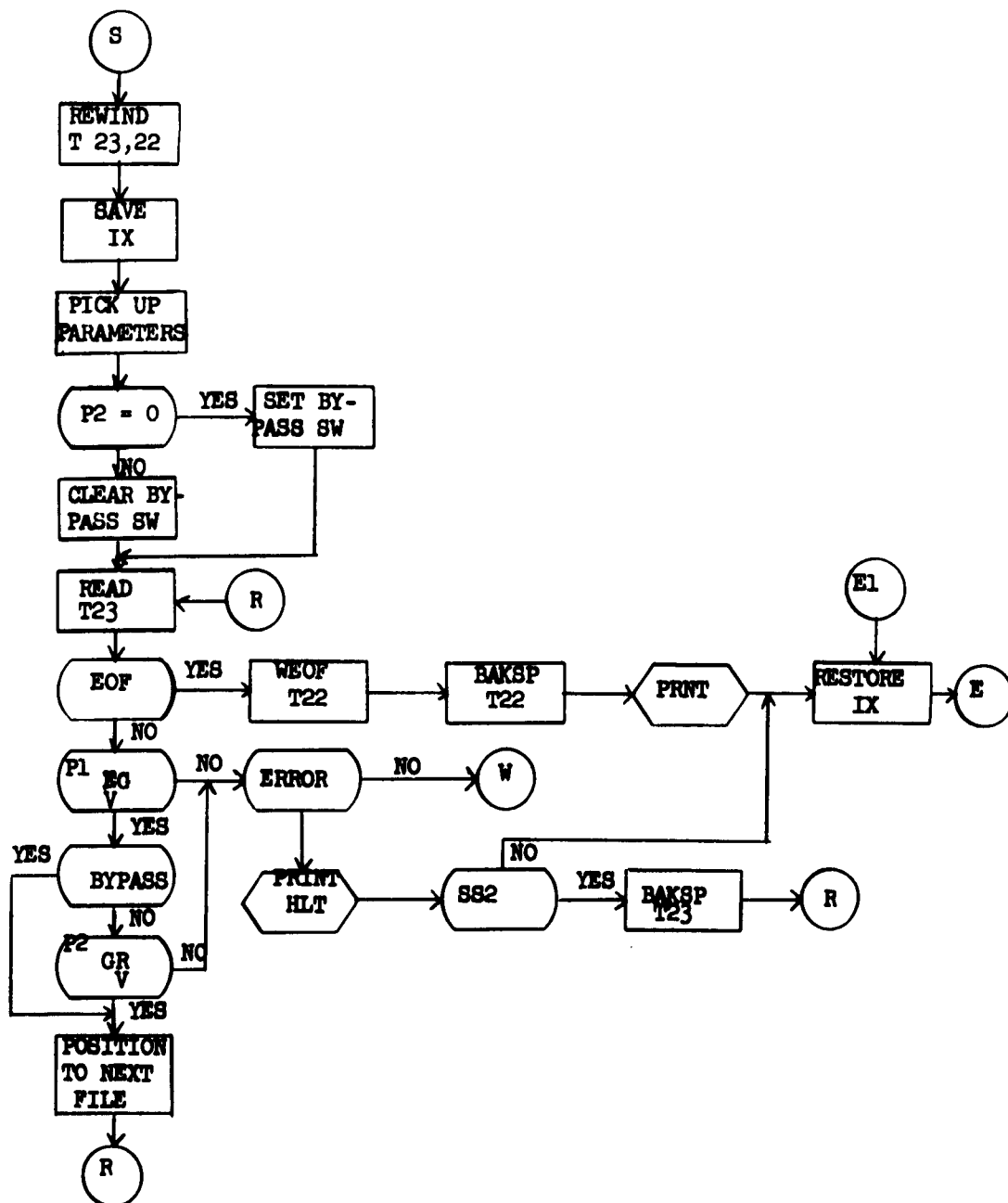
REFERENCES

- A. TM-891/001/00 and TM-891/001/00A - Combined Milestone 3-4 for the 1604 Augmentation Communication Programs, System Development Corporation.
- B. AFCPL reference number for TAPE is 75364.
- C. AFCPL reference number for SDELET is 75998.

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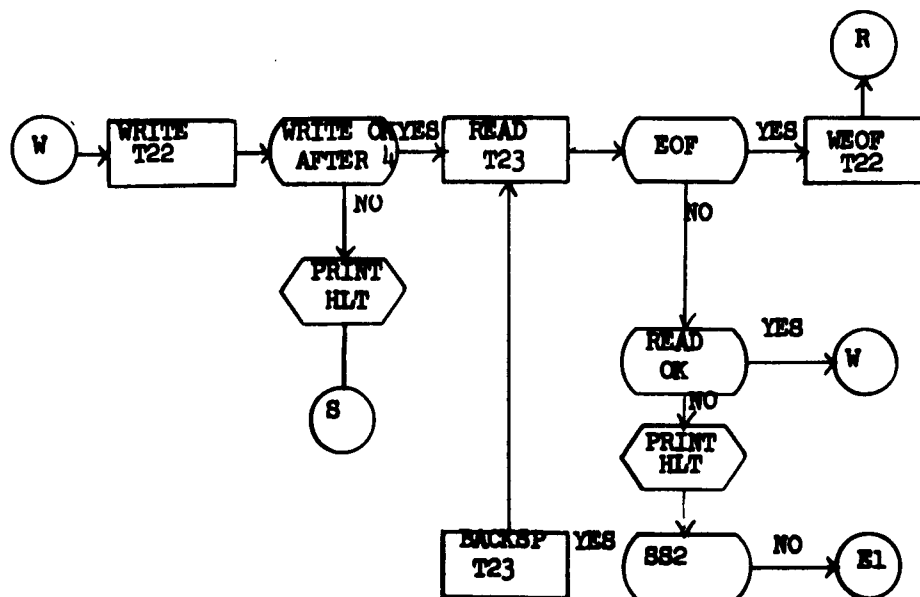
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(last page)

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J. D. Rogers

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VORHAUS, A. H.
WAGNER, I. I.
WARSHAWSKY, S. B.
WEST, G. D.
WEST, G. P.
WILSON, G. D.

24076A
24093
24097
SUNNYVALE
22116A
24124

WINSOR, M. E.
WINTER, J. F.
WISE, R. C.
WONG, J. P.
ZUBRIS, C. J.

22156
24117
22085
SUNNYVALE
24075

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Internal

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AFCPL	(5)	KEY, C. D.	23013
ALLFREE, D.	24083	KEYES, R. A.	24073
ALPERIN, N. I.	22153	KINKEAD, R. L.	22093
ARMSTRONG, E.	24123	KNEEMEYER, J. A.	22088A
BERNARDS, R. M.	SUNNYVALE	KNIGHT, R. D.	22119
BIGGAR, D.	24118A	KOLBO, L. A.	22155
BILEK, R. W.	23007	KOSTINER, M.	14056B
BLACK, H.	14039	KRALIAN, R. P.	14039
BRENTON, L. R.	24103B	KRISTENSEN, K.	SUNNYVALE
BURKE, B. E.	24086	LACHAPELLE, F.	22093
CHAMPAIGN, M. E.	22152	LAUGHLIN, J. L.	24073
CHIODINI, C. M.	24091	LAVINE, J.	24093
CIACCIA, B. G.	24082A	LITTLE, J. L.	24088B
CLINE, B. J.	24127	LONG, F.	22156
COGLEY, J. L.	22156	MADRID, G. A.	22081
CONGER, L.	24088A	MAHON, G. A.	24089
COOLEY, P. R.	24081	MARIONI, J. D.	24076B
COURT, T. D.	24086B	MARTIN, W. P.	24127B
CRUM, D. W.	24105	MCKEOWN, J.	23013
DANT, G. B.	24086B	MICHAELSON, S. A.	14039
DECUIR, L. E.	24053A	MILANESE, J. J.	22155
DERANGO, W. C.	24082B	MUNSON, J. B.	22087A
DEXTER, G. W.	25016	MYERS, G. L.	14056A
DISSE, R. J.	23014	NELSON, P. A.	24075
DOBBS, G. H.	22116B	NG, J.	22077
DOBRUSKY, W. B.	24065A	NGOU, L.	24127
ELLIS, R. C.	22131A	PADGETT, L. A.	24110A
EMIGH, G. A.	14039	PATIN, O. E.	SUNNYVALE
ERICKSEN, S. R.	22113	POLK, T. W.	24113
FELKINS, J.	24097	PRUETT, B. R.	22084
FOSTER, G. A.	14039	RAYBIN, M.	14039
FRANKS, M. A.	24122	REILLY, D. F.	24121
FREY, C. R.	22078	REMSTAD, C. L.	25026
FRIEDEN, H. J.	22082	RUSSELL, R. S.	14054
GARDNER, S. A.	25026	SCHOLZ, J. W.	14039
GREENWALD, I. D.	22094A	SCOTT, R. J.	24110
GRIFFITH, E. L.	22081	SEACAT, C. M.	SUNNYVALE
HAAKE, J. W.	22153	SEIDEN, H. R.	22126B
HARRIS, E. D.	24081	SHAPIRO, R. S.	24110B
HENLEY, D. E.	22094B	SKELTON, R. H.	22148
HILL, C. L.	22101	SOLOMON, J.	22076
HILLHOUSE, J.	22078	SPEER, N. J.	24086A
HOLMES, M. A.	24103	STONE, E. S.	24058B
HOLZMAN, H. J.	24065B	SWEENEY, M. J.	25026
HOUGHTON, W. H.	24103B	TABER, W. E.	22101
HOYT, R. L.	14039	TENNANT, T. C.	27029
IMEL, L. E.	14039	TESTERMAN, W. D.	14039
KASTAMA, P. T.	22076	THOMPSON, J. W.	24088
KAYSER, F. M.	24109	THORNTON, R. L.	14050
KEDDY, J. R.	24105	TOTSCHEK, R. A.	24120

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System Development Corporation,
Santa Monica, California
UTILITY PROGRAM DESCRIPTIONS MILESTONE 11
UPDATE BIRD BUFFER - 1604 TRANSFER TAPE
(SDELET).
Scientific rept., TM(L)-715/050/00, by
R. C. Wise. 26 March 1963, 7p.
(Contract AF 19(628)-1648, Space Systems
Division Program, for Space Systems
Division, AFSC)

Unclassified report

DESCRIPTORS: Programming (Computers).
Satellite Networks.

Reports that SDELET (Update Bird Buffer -
1604 Transfer Tape) updates the Bird

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Buffer to 1604 Transfer tape by the
deletion of obsolete files of
information.

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